

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2011 Levee Inspection Results**

**Reclamation District No. 2063 Crows Landing**

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	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

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SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2011 Levee Inspection Results**

**Reclamation District No. 2063 Crows Landing**

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	10.63
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/18/2011 - 5/18/2011			
DWR Inspector	Richard Willoughby			
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	05/18/2011 05/18/2011	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	10.58	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact.	37.478842 ° -121.044627 °	37.390455 ° -120.941945 °	27
2	0.00	10.58	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.478835 ° -121.044625 °	37.390455 ° -120.941945 °	26
3	0.00	10.58	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.478827 ° -121.044625 °	37.390455 ° -120.941943 °	1
4	0.02	0.51	Earthen Levee	Vegetation	WS	W	Remove the wild growth other than native grasses from the levee slopes.	37.478550 ° -121.044603 °	37.471548 ° -121.044553 °	3
5	0.02	0.51	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	37.478548 ° -121.044605 °	37.471545 ° -121.044553 °	2
6	1.35	1.35	Earthen Levee	Encroachments	LS	CO	Ramp Inspector Comments: Ramp does not meet CVFPB standards. Ramp has 18-20" vertical cut at landside shoulder.	37.464308 ° -121.032603 °	37.464308 ° -121.032603 °	6 Y
7	1.47	1.50	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	37.462723 ° -121.032020 °	37.462303 ° -121.031928 °	8
8	1.54	1.54	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.461762 ° -121.031822 °	37.461762 ° -121.031822 °	10 Y
9	1.57	1.57	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.461322 ° -121.031785 °	37.461322 ° -121.031785 °	4
10	1.69	1.69	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.459813 ° -121.032372 °	37.459813 ° -121.032372 °	11 Y
11	2.31	2.47	Earthen Levee	Erosion / Bank Caving	LS	U	Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion is occurring around 10-12 inch concrete irrigation pipe at landside toe.	37.451927 ° -121.030555 °	37.450290 ° -121.028592 °	12 Y
12	2.56	2.56	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	37.449432 ° -121.027472 °	37.449432 ° -121.027472 °	13
13	2.72	2.79	Earthen Levee	Animal Control	LS	M	Repair the levee slope damaged by livestock and prevent large animal access.	37.447512 ° -121.026050 °	37.446574 ° -121.025643 °	982
14	2.78	2.84	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.446722 ° -121.025640 °	37.445925 ° -121.025528 °	14
15	2.87	2.90	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.445497 ° -121.025560 °	37.444985 ° -121.025622 °	15
16	3.30	3.30	Earthen Levee	Encroachments	WS	M	Material Inspector Comments: Concrete rubble should be free of rebar before using on river bank.	37.441723 ° -121.021552 °	37.441723 ° -121.021552 °	28 Y
17	3.37	3.42	Earthen Levee	Vegetation	LS	W	Control annual grass and weeds on the levee slopes and easements.	37.440862 ° -121.020817 °	37.440237 ° -121.020372 °	16

<b>* Location</b> LS : Landside WS : Waterside CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2063 Crows Landing**

Waterway						Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 01 San Joaquin River						Right	10.63	05/18/2011 05/18/2011		Richard Willoughby
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
18	3.82	3.82	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.435732 ° -121.016090 °	37.435732 ° -121.016090 °	29 Y
19	3.96	4.10	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.434403 ° -121.014298 °	37.432653 ° -121.013327 °	17
20	4.24	4.24	Earthen Levee	Encroachments	LS	M	Material Inspector Comments: Rubber truck tire on landside slope should be removed.	37.431080 ° -121.011897 °	37.431080 ° -121.011897 °	30
21	4.68	4.68	Earthen Levee	Encroachments	WS	CO	Crops Inspector Comments: Landowner planted grape vines and fruit trees on waterside berm without a permit from the CVFPB.	37.429638 ° -121.005348 °	37.429638 ° -121.005348 °	31 Y
22	4.70	4.74	Earthen Levee	Vegetation	LS	W	Control annual grass and weeds on the levee slopes and easements.	37.429813 ° -121.004970 °	37.430017 ° -121.004335 °	19
23	4.71	4.71	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	37.429892 ° -121.004768 °	37.429892 ° -121.004768 °	20
24	5.12	5.12	Earthen Levee	Encroachments	WS	M	Garbage Inspector Comments: Old pipes on waterside slope should be removed.	37.427375 ° -120.999343 °	37.427375 ° -120.999343 °	21
25	5.13	5.13	Earthen Levee	Encroachments	LS	M	Pipe Inspector Comments: Landowner modified pipe structure and cut into landside slope without permission from CVFPB. See field investigation report for more detail.	37.427210 ° -120.999288 °	37.477210 ° -120.992880 °	50 Y
26	5.48	5.48	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.422827 ° -121.001788 °	37.422827 ° -121.001788 °	32
27	6.05	6.63	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	37.416235 ° -120.997563 °	37.411285 ° -120.998188 °	22
28	6.09	6.09	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.415887 ° -120.998083 °	37.415887 ° -120.998083 °	5
29	6.89	6.89	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.411785 ° -120.993548 °	37.411785 ° -120.993548 °	39
30	7.69	7.69	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	37.403516 ° -120.985718 °	37.403516 ° -120.985718 °	7
31	7.81	7.90	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.402400 ° -120.984087 °	37.401563 ° -120.982775 °	23
32	7.88	7.88	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	37.401774 ° -120.983132 °	37.401774 ° -120.983132 °	9
33	8.06	8.23	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	37.400930 ° -120.980157 °	37.401148 ° -120.977320 °	24

**\* Location**

LS : Landside  
WS : Waterside  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
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PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected/Rated  
C : Corrected  
W : Watch/Monitor

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	05/18/2011 05/18/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
34	8.17	8.17	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.401222 ° -120.978317 °	37.401222 ° -120.978317 °	33
35	9.44	9.60	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	37.390727 ° -120.962520 °	37.390683 ° -120.959570 °	25

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	05/18/2011 05/18/2011	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	1.35
End Levee Mile	1.35
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking north at ramp and equipment working pad on landside slope with a 18-20" vertical cut at shoulder.

richard\_s\_20110215\_409.jpg



Levee Mile Report Line	6
Start Levee Mile	1.35
End Levee Mile	1.35
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking west at 18-20" vertical cut for ramp on landside shoulder and slope

richard\_s\_20110215\_410.jpg



Levee Mile Report Line	8
Start Levee Mile	1.54
End Levee Mile	1.54
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking east at landside slope damage (six to eight inch erosion) by vehicle

richard\_s\_20110215\_411.jpg



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Unit No. 01 San Joaquin River	Right	10.63	05/18/2011 05/18/2011	Richard Willoughby

Levee Mile Report Line	8
Start Levee Mile	1.54
End Levee Mile	1.54
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking west at landside slope damage cause by vehicle traffic.

richard\_s\_20110215\_412.jpg



Levee Mile Report Line	10
Start Levee Mile	1.69
End Levee Mile	1.69
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Looking east at squirrel holes on landside slope.

richard\_s\_20110215\_413.jpg



Levee Mile Report Line	11
Start Levee Mile	2.31
End Levee Mile	2.47
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking west at slope caving around concrete irrigation pipe on landside toe.

richard\_s\_20110215\_414.jpg



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**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	05/18/2011 05/18/2011	Richard Willoughby

Levee Mile Report Line	11
Start Levee Mile	2.31
End Levee Mile	2.47
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking south at additional caving around concrete pipe.

richard\_s\_20110215\_415.jpg



Levee Mile Report Line	11
Start Levee Mile	2.31
End Levee Mile	2.47
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking north at site #1 caving around pipe on landside slope.

richard\_s\_20110215\_416.jpg



Levee Mile Report Line	11
Start Levee Mile	2.31
End Levee Mile	2.47
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking west at caving around concrete pipe at site #3.

richard\_s\_20110215\_417.jpg



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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	05/18/2011 05/18/2011	Richard Willoughby

Levee Mile Report Line	11
Start Levee Mile	2.31
End Levee Mile	2.47
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking west at concrete irrigation pipe that runs along landside toe.

richard\_s\_20110215\_418.jpg



Levee Mile Report Line	11
Start Levee Mile	2.31
End Levee Mile	2.47
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking southwest at site # 4 of slope caving around concrete irrigation pipe at landside toe.

richard\_s\_20110215\_419.jpg



Levee Mile Report Line	16
Start Levee Mile	3.30
End Levee Mile	3.30
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking at concrete rubble on waterside shoulder with rebar.

richard\_s\_20110524\_543.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2011**

**Reclamation District No. 2063 Crows Landing**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	05/18/2011 05/18/2011	Richard Willoughby

Levee Mile Report Line	18
Start Levee Mile	3.82
End Levee Mile	3.82
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Looking at typical view or squirrel hole on landside shoulder.

richard\_s\_20110524\_544.jpg



Levee Mile Report Line	21
Start Levee Mile	4.68
End Levee Mile	4.68
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking south at grapevines and fruit trees on waterside berm.

richard\_s\_20110524\_545.jpg



Levee Mile Report Line	25
Start Levee Mile	5.13
End Levee Mile	5.13
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of cut into landside slope

richard\_s\_20110215\_422.jpg



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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Spring 2011**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	05/18/2011 05/18/2011	Richard Willoughby

Levee Mile Report Line	25
Start Levee Mile	5.13
End Levee Mile	5.13
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of concrete stand pipe and encased pipe on landside toe.

richard\_s\_20110215\_423.jpg



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